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TITLE:

liquid crystal cell -

Opto-electric display matrix for

sloping feed lines

has row and column segments joined by

----- KWIC -----

Basic Abstract Text - ABTX (1):

The opto-electronic display matrix has columns and rows driven by multiplexing. Column or row segments (1,2) have feed lines (3,4) connecting them electrically in regions between the rows (a-d) inclined to the axis (5) of the rows and parallel to one another in the same plane. The angle of the feed lines to the rows is 30-60 degrees and 120-150 degrees, and pref. 45 and 135 degrees, alternating from one pair of rows to the next.

Basic Abstract Text - ABTX (2):

The row and/or column segments are bevelled at their corners. The level is roughly parallel to the feed lines that pass by that region. Row and column feed lines alternate between the rows. The edges of one segment lie in line with those of adjacent segments.

Title - TIX (1):

Opto-electric display matrix for liquid crystal cell - has row and column segments joined by sloping feed lines

Priority Serial Number - PRN (1):

3806843

Patent Family Serial Number - PFPN (1):

3806843

Patent Family Serial Number - PFPN (2):

4955698

Document Identifier - DID (1):

DE 3806843 A

Document Identifier - DID (2):

US 4955698 A

Equivalent Abstract Text - ABEQ (2):

The rows of the display segments comprises pairs of rows of the display segments. The conductors include first conductors arranged parallel to each other. The conductors connect the display segments of adjacent pairs of rows and are arranged at an angle of between 30 and 60 deg. and 150 and 120 deg. respectively, to the longitudinal axis of the rows.

Standard Title Terms - TTX (1):

OPTO ELECTRIC DISPLAY MATRIX LIQUID CRYSTAL CELL ROW  
COLUMN SEGMENT JOIN  
SLOPE FEED LINE

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1	BRS	L8	10	"4114890"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:04			0
2	BRS	L15	9	"4244635"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:04			0
3	BRS	L22	25	"3732982"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:04			0
4	BRS	L29	7	"3806843"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:04			0
5	BRS	L36	48	8 or 15 or 22 or 29	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:05			0
6	BRS	L43	37	36 and (liquid or crystalline or electrode or pixels or round or contours)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:33			0
7	BRS	L57	18	50 and (opposite or relative or "90" or degrees or diametrically or angle or direction or "180" or perpendicular or outside or overlap or polygon or corners)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:34			0
8	BRS	L50	20	43 and (roughly or rouged or circular or rounded or outer or contour or bulging or bulge or section)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:36			0
9	BRS	L64	157	"3521941"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:32			0
10	BRS	L71	5	"5935430"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:32			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
11	BRS	L78	162	64 or 71	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:32			0
12	BRS	L85	157	78 and (liquid or crystalline or electrode or pixels or round or contours)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:34			0
13	BRS	L92	139	85 and (opposite or relative or "90" or degrees or diametrically or angle or direction or "180" or perpendicular or outside or overlap or polygon or corners)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:35			0
14	BRS	L106	83	99 not 50	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:38			0
15	BRS	L99	84	92 and (roughly or rouged or circular or rounded or outer or contour or bulging or bulge or section)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:38			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error
1	BRS	L1	25	"3732982"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
2	BRS	L8	3	"2621157"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
3	BRS	L15	9	"1228160"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
4	BRS	L22	7	"3806843"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
5	BRS	L29	16	"2007021"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
6	BRS	L36	5	"4955698"	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:49			0
7	BRS	L43	61	1 or 8 or 15 or 22 or 29 or 36	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:50			0
8	BRS	L50	34	43 and (liquid or crystalline or electrode or pixels or round or contours)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:51			0
9	BRS	L57	10	50 and (roughly or circular or bulging or string or turned)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:52			0
10	BRS	L64	8	57 and ("90" or "180" or degrees)	USP AT; US-P GPU B; EPO; JPO; DER WEN T;	2003/07/1 1 11:53			0